

Remarks

Reconsideration of this Application is respectfully requested.

Claims 1-8 have been cancelled without prejudice or disclaimer. Applicants reserve the right to prosecute similar or broader claims in a continuation application. Claims 9-12 have been added. Claims 9-12 are pending, with 9 and 11 being the independent claims. No new matter has been entered by any amendments.

Based on the above amendment and following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Objection to the claims

Claim 8 was objected to for an asserted grammatical error. Applicant believes this objection has been rendered moot by the canceling of claim 8. Therefore, Applicant respectfully requests that the Examiner reconsider and withdraw the objection.

Rejections under 35 U.S.C. § 112, second paragraph

Claims 1-8 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Applicant disagrees with the Examiner. For example, this feature is taught in paragraph [0045] of the instant specification in the description of FIG. 5. However, for other reasons, Applicant has canceled these claims. Thus, Applicant believes this rejection has been rendered moot. Therefore, Applicant respectfully requests that the Examiner reconsider and withdraw the rejection.

Rejections under 35 U.S.C. § 102(e)

Claims 1-8 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,275,097 to Liang et al. (“Liang”).

Although the Applicant disagrees with the Examiner’s rejections, Applicant has cancelled claims 1-8 in order to expedite prosecution. Again, Applicant reserves the

right to prosecute similar or broader claims in a continuation application. Based on the canceling of claims 1-8, Applicant respectfully requests that the Examiner reconsider and withdraw this rejection.

New Claims 9-12

Applicant believes new claims 9-12 are allowable over the applied patent.

Claims 9 and 11 recite at least a charge pump comprising:

an input/output (I/O) circuit that generates a differential output signal ...; and
a feedback circuit,
wherein the feedback circuit includes a transconductance section ... receiving the differential output signal....

The Examiner asserts elements 83, 85, 87, and 89 in Liang form a transconductance amplifier and that “the recited ‘input voltage signal’ reads on the signal on line 77.” (Office Action mailed July 12, 2004, page 3). Line 77 is from the CMFB, which is not in the charge pump in Liang, and actually receives as its input an output signal (OP/ON) from the charge pump, which is also the signal to the VCO. In contrast, the transconductance amplifier, as recited in claims 9 and 11, is in a feedback circuit of the charge pump and does not receive the output from the charge pump as its input, but rather receives as an input signal a differential output signal from the I/O circuit of the charge pump, as recited in claims 9 and 11.

Thus, Applicant respectfully requests that the Examiner find claims 9 and 11 allowable over the applied patent. Also, claims 10 and 12 should be found allowable, at least based on their dependency from claims 9 and 11.

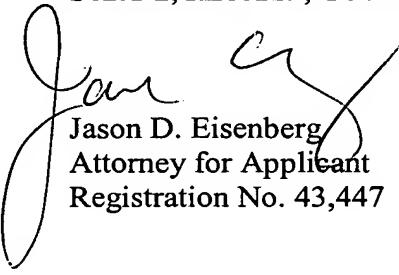
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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